

General information



Organisation name : *PRONEEM*
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Targetted topics: (maximum 3)

HORIZON-CL4-2022-DIGITAL-EMERGING-02-20

2D-material-based composites, coatings and foams (IA)

Competencies

1. Short presentation of the organisation activities

- a. French SME founded in 2003, specialised in the development and marketing of **sustainable, safe** (human and environment), **bio-sourced finishes** for the **textile industry**: biocides (antimicrobial, anti-insects), comfort / **performance** (moisture / temperature / odour management, water repellency), cosmetics, scents, aromatherapy, health, etc.
- b. **Integrated laboratory** (development and testing) and manufacturing plant in France.
- c. Special expertise in the field of **biocides, cosmetics and textiles** : technical, regulatory, standardisation (expert / member / convenor at AFNOR and CEN committees).
- d. Strong expertise in the field of **microencapsulation technologies**.

2. The skills the organisation bring to the projects

- a. **Technical support** (R&D, testing, manufacturing, business).
- b. **Regulatory support** (such as BPR, Cosmetics, REACH, specific regulation / certifications applying to textiles).
- c. **Project management** (WP leader).

Project idea

1. Describe your project idea

- a. Development of new **(multi-)functional coatings** with a better **toxicological / ecotoxicological profile**, more **sustainable** and **bio-sourced** as an alternative to conventional coatings commonly used in the textile industry to **enhance sustainability** and **recyclability** and **reduce environmental footprint of textiles**.

2. Complementary skills you need for your consortium

- a. LCA / EOL.
- b. Toxicology / ecotoxicology (risk assessment, eFate, testing).
- c. Analysis (surface / material characterisation, chemical dosage, biodegradability).
- d. Academics/ Researchers specialised in the field of materials / polymers and more especially bio-sourced materials / polymers.
- e. Industry / academics specialised in the field of textile functionalisation techniques (plasma notably) with enhanced efficiency (in terms of environmental impact).